

Departmental/Program Major Courses (38-40 credits) *A 2.0 average is required in these courses

***Required Major Courses (21 credits)**

- _____ (2) BIOL 12100 Biology I: Diversity, Ecology and Behavior (*satisfies Science, Technology & Society Selective for core*)
- _____ (3) BIOL 13100 Biology II: Development, Structure, and Function of Organisms
- _____ (2) BIOL 13500 First Year Biology Lab or BIOL 14501 First Yr Lab Neuro Res Project or IT 22600 Biotechnology Lab I
- _____ (3) BIOL 23100 Biology III: Cell Structure & Function
- _____ (2) BIOL 23200 Lab in Cell Structure & Function
- _____ (3) BIOL 24100 Biology IV: Genetics & Molecular Biology
- _____ (2) BIOL 24200 Lab in Genetics & Molecular Biology
- _____ (2) BIOL 28600 Intro to Ecology & Evolution
- _____ (2) BIOL 44201 Introductory Module: Protein Expression (Req # 11)

***Major Selectives - Select one course for each requirement (17-19 credits)**

- _____ (3) Intermediate Requirement Selective (Req # 9)
- _____ (3) Cell/Molecular/Development Selective (Req # 10)
- _____ (3) Cell/Molecular/Development Selective (Req # 10)
- _____ (3) 500 Level Biology Selective (Req # 12)
- _____ (1-2) Biology Lab Selective (Req # 11)
- _____ (1-2) Biology Lab Selective (Req # 11)
- _____ (3) Biology Selective (Req # 13)

Other Departmental /Program Course Requirements (65-79 credits)

- _____ (0-4) CHM 11500 (if 12901 is not taken) (*satisfies Science Selective for core*)
- _____ (4-5) CHM 11600 or 12901
- _____ (4) Organic CHM 1 Selective [LINK](#)
- _____ (4) Organic CHM 2 Selective [LINK](#)
- _____ (3-4) Chem Selective - BCHM 56100 or CHM 53300 or CHM 33900 (plus 33901 if CHM 12901 is taken for gen chemistry)
- _____ (4) PHYS 1 Selective [LINK](#) (*satisfies Science Selective for core*)
- _____ (4) PHYS 2 Selective [LINK](#)
- _____ (3-5) Calculus 1 Selective – Select from MA 23100, 16100, or 16500 (*satisfies Quantitative Reasoning Selective for core*)
- _____ (3-5) Calculus 2 Selective– Select from MA 23200, 16200, 16600 or 17300
- _____ (3) STAT 50300
- _____ (3-4) Computer Science Selective [LINK](#)
- _____ (3-4) ENGL 10600 or 10800 (*satisfies Written Communication for core*); (*satisfies Information Literacy Selective for core*)
- _____ (3) Language & Culture 1 Selective [LINK](#)
- _____ (3) Language & Culture 2 Selective [LINK](#)
- _____ (3) Language & Culture 3 Selective [LINK](#)
- _____ (3) COM 21700 (*satisfies Oral Communication for core*)
- _____ (3) General Education 1 Selective [LINK](#) (*satisfies Human Culture Behavioral/Social Science for core*)
- _____ (3) General Education 2 Selective [LINK](#) (*satisfies Human Cultures Humanities for core*)
- _____ (3) General Education 3 Selective [LINK](#)
- _____ (0-3) Teambuilding & Collaboration Selective [LINK](#)
- _____ (3) Great Issues Selective [LINK](#)
- _____ (1-3) Multidisciplinary Selective [LINK](#)

Electives (1-17 credits)

_____ () _____	_____ () _____	_____ () _____	_____ () _____
_____ () _____	_____ () _____	_____ () _____	_____ () _____
_____ () _____	_____ () _____	_____ () _____	_____ () _____

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	_____	Science, Technology & Society Selective	<input type="checkbox"/>	_____
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	_____	Written Communication	<input type="checkbox"/>	_____
Information Literacy	<input type="checkbox"/>	_____	Oral Communication	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____	Quantitative Reasoning	<input type="checkbox"/>	_____
Science Selective	<input type="checkbox"/>	_____			

The student is ultimately responsible for knowing and completing all degree requirements.

Cell, Molecular and Developmental Biology

(Beginning with CHM 11500 in Fall)

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2	BIOL 12100		3	BIOL 13100	
2	BIOL 13500	CHM 11500 coreq	4	CHM 11600	CHM 11500
4	CHM 11500	ALEKS score of 70	3-5	Calculus II Selective	Calc I
3-5	Calculus I Selective		3	Language/Culture 2 Selective	Lang 10100
3	Language/Culture 1 Selective		3-4	ENGL 10600 or 10800	
1	BIOL 11500				
15-17			16-19		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	BIOL 23100	CHM 116 coreq; BIOL 13100	3	BIOL 24100	BIOL 23100
2	BIOL 23200		2	BIOL 24200	
4	Organic Chem 1 Selective	CHM 11600 or 12901	4	Organic Chem 2 Selective	Organic I
3	Language/Culture 3 Selective	varies	2	BIOL 28600	BIOL 12100
3	COM 21700		1	BIOL 29300	
			3	General Education 1 Selective	
15			15		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	Intermediate Requirement Selective (Req # 11)	varies	3	Cell/Molecular/Developmental Selective (Req # 10)	
4	PHYS 1 Selective		4	PHYS 2 Selective	
3-4	Computer Science Selective		3-4	Chemistry Selective	
3	General Education 2 Selective		1	BIOL 39300	
3	Elective		3	General Education 3 Selective	
			3	Elective	
15-16			17		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	Cell/Molecular/Developmental Selective (Req # 10)		3	BIOL Selective (Req # 13)	varies
2	BIOL 44201 (Req # 11)		3	500 Level Biology Selective (Req # 12)	
1-2	Biology Lab Selective (Req 11)		3	Great Issues Selective	
1-2	Biology Lab Selective (Req 11)		4	Elective	
3	STAT 50300				
1-3	Multidisciplinary Selective				
3	Elective				
14-18			13		

120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.

The student is ultimately responsible for knowing and completing all degree requirements.
